

AMENDMENTS TO THE CLAIMS:

Please replace the claims with the claims provided in the listing below wherein status, amendments, additions and cancellations are indicated.

1. (Currently amended) A laminated solar battery, comprising:

~~different types~~ a plurality of solar cell modules each having a respectively different sensitivity wavelength band and each configured generally in a form of a layer, said solar cell modules being incorporated as an integrally laminated structure in which the solar cell modules are consecutively layered from an ~~indicated~~ incident side ~~of said structure for receiving~~ to be exposed to sunlight in an order according to shortness of a center wavelength of the sensitivity wavelength band; ~~each solar cell module, wherein a solar cell module having the shortest center wavelength is located closest to said indicated side,~~

wherein said solar cell modules comprise a plurality of cell group modules of different types;

~~wherein each one of said at least one of said different types of said solar cell modules comprises a cell group module including~~ modules comprises a plurality of ~~nearly spherical solar cells aligned in plural rows and plural columns which are extending crosswise to a direction of lamination of said solar cell modules;~~ of solar cell arrays aligned in a plurality of rows;

wherein each one of said solar cell arrays comprises a plurality of independent spherical solar cells and a pair of first leads;

~~wherein said cell group module comprises a serial/parallel connection circuit for electrically connecting said plural nearly spherical solar cells in each row or column in parallel via a pair of lead wires and for electrically connecting said plural nearly spherical solar cells in each column or row in series;~~

~~wherein at least one type of said different types of said solar cell modules is comprised of a planar light receiving module having a planar common pn junction; and~~

~~wherein a serial connection circuit which electrically connects said solar cell modules in series, said different types of solar cell modules being configured such that designed maximum output currents of said solar cell modules are approximately equal to one another.~~

wherein said plurality of cell group modules are buried integrally inside a common transparent synthetic resin material; and

wherein each one lead of said pair of first leads of each one of said solar cell arrays has an extended portion extending outside said synthetic resin material.

2-6. (Canceled)

7. (Previously presented) The laminated solar battery according to claim 1, wherein:

each said cell group module includes two layers of said nearly spherical solar cells aligned in columns and rows on respective planes running crosswise to the lamination direction, and

said nearly spherical solar cells are arranged in said two layers so as not to overlap when viewed in the direction of lamination.

8. (Currently Amended) The laminated solar battery according to claim [[1,]] 21, further comprising a reflective member capable of reflecting the sunlight in a lower part or downside of said planar light receiving module, said at least one planar light receiving module being arranged in a lowest layer to be located downside of said cell group module.

9. (Currently amended) The laminated solar battery according to claim 7, wherein any of said solar cell modules except for said one of said solar cell modules at the ~~incident~~ incident side of said laminated structure which is adapted to being exposed to sunlight is provided, on a surface thereof, with a mirror film that reflects a light of sensitivity wavelength bands which can be

easily absorbed by ones of the solar cell modules above said any of said solar cell modules.

10. (Cancelled)

11. (Currently amended) The laminated solar battery according to claim 7, further comprising a transparent member made of transparent glass or synthetic resin material which is fixed at a top of said solar cell module on said one of said solar cell modules at the ~~incidenta~~ incident side of said laminated structure which is adapted to being exposed to sunlight.

12. (Currently amended) The laminated solar battery according to claim [[3,]] 21, wherein:-

wherein said planar light receiving module is arranged in a lowest position ~~below said multiple cell group module~~, among said plurality of solar cell modules;

wherein said plurality of solar cell modules comprise ~~and said three types of solar cell modules include~~ first to third cell group modules of differing type thereof laminated sequentially from said ~~incidenta~~ incident side of ~~sunlight~~, sunlight;

wherein said first cell group module includes first spherical solar cells each of which has a nearly spherical pn junction on a surface resin of a nearly spherical GaP single ~~crystal~~, crystal;

wherein said second cell group module includes second spherical solar cells each of which has a nearly spherical pn junction on a surface resin of a nearly spherical GaAs single ~~crystal~~, crystal; and

wherein said third cell group module includes third spherical solar cells each of which has a nearly spherical pn junction on a surface resin of nearly spherical Si single crystal.

13. (Previously presented) The laminated solar battery according to claim 12, wherein said planar light receiving module includes a planar common pn junction formed in an InGaAs semiconductor layer which is formed on an n-type InP semiconductor substrate.

14. (Currently amended) The laminated solar battery according to claim [[3,]] 21, ~~wherein:~~

wherein said planar light receiving module is arranged in a top layer ~~above said three types of said plurality of solar cell modules, and modules;~~

wherein said plurality of solar cell modules comprise ~~said three types of~~
~~solar cell modules include~~ first to third cell group modules of differing type
thereof laminated sequentially from said incidental incident side of ~~sunlight~~;
sunlight;

wherein said first cell group module includes first spherical solar cells
each of which has a nearly spherical pn junction on a surface resin of a nearly
spherical GaAs single ~~crystal~~; crystal;

wherein said second cell group module includes second spherical solar
cells each of which has a nearly spherical pn junction on the surface resin of a
nearly spherical Si single ~~crystal~~; crystal; and

wherein said third cell group module includes third spherical solar cells
each of which has a nearly spherical pn junction on the surface resin of a nearly
spherical Ge single crystal.

15. (Previously presented) The laminated solar battery according to
claim 14, wherein said planar light receiving module includes a planar common
pn junction formed in a GaAsP semi-conductor layer which is formed on an
n-type GaP semiconductor substrate.

16. (Cancelled)

17. (Previously presented) The laminated solar battery according to claim 1, wherein:

said different types of solar cell modules are each formed in a general shape of a cylinder, and

said solar cell modules are laminated in a general shape of a concentric cylinder.

18-20. (Cancelled)

21. (New) The laminated solar battery according to claim 1, wherein said solar cell modules together comprise at least one planar light receiving module having a planar pn junction, at least one positive electrode and at least one negative electrode, and at least one pair of second leads electrically connected respectively to said positive and negative electrodes.

22. (New) The laminated solar battery according to claim 1, wherein a portion of each one lead of said pair of first leads of each one solar cell array of said solar cell arrays is buried inside said common synthetic resin material, wherein said buried portion is in physical and electrical communication with each one of the plurality of spherical solar cells of said one solar cell array, and

wherein said each one lead extends through said common synthetic resin material from a first extended portion outside the common synthetic resin material at one end of said one lead to a second extended portion outside the synthetic resin material at an opposite end of said one lead.